

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S45 6	698	348/294.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:21
S45 5	541	toshiba.as. and bonding adj pads	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S45 4	55	toshiba.as. and bonding adj pads and wafer and width	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S45 3	137	toshiba.as. and bonding adj pads and wafer	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S45 2	4	(SUZUKI near1 KENJI).in. and (MONOI near1 MAKOTO).in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S45 1	4	(SUZUKI KENJI).in. and (MONOI near1 MAKOTO).in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S45 0	1	2-065278	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S44 9	61	("358"/\$6 "438"/\$6) and noise\$1 and ((pad\$1 electrode\$1) same (passivation) same (wire wiring)) and (linear longitudinal\$2 elongate\$1)	USPAT	OR	OFF	2006/08/02 11:08
S44 8	56	("358"/\$6 "438"/\$6) and noise\$1 and ((pad\$1 electrode\$1) same (passivation) same (wire wiring)) and (linear longitudinal\$2)	USPAT	OR	OFF	2006/08/02 11:08
S44 7	133	("358"/\$6 "438"/\$6) and noise\$1 and ((pad\$1 electrode\$1) same (passivation) same (wire wiring))	USPAT	OR	OFF	2006/08/02 11:08
S44 6	538	("358"/\$6 "438"/\$6) and noise\$1 and (pad\$1 electrode\$1) same (passivation)	USPAT	OR	OFF	2006/08/02 11:08
S44 5	8486	("358"/\$6 "438"/\$6) and noise\$1 and (pad\$1 electrode\$1)	USPAT	OR	OFF	2006/08/02 11:08
S44 4	28323	("358"/\$6 "438"/\$6) and noise\$1	USPAT	OR	OFF	2006/08/02 11:08
S44 3	8	("4924282").URPN. and (electrode\$1 bonding pad\$1)	USPAT	OR	OFF	2006/08/02 11:08
S44 2	9	("4924282").URPN.	USPAT	OR	OFF	2006/08/02 11:08

## EAST Search History

S44 1	2	((passivation adj layer\$1) same (electrode\$1 (bonding adj pad\$1))) same exposed and (wire wiring) and substrate and peripheral\$3 and (facsimile copy copier)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S44 0	0	((passivation adj layer\$1) same (electrode\$1 (bonding adj pad\$1))) same exposed and (wire wiring) and substrate and elongated and peripheral\$3 and (facsimile copy copier)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S43 9	46	((passivation adj layer\$1) same (electrode\$1 (bonding adj pad\$1))) same exposed and (wire wiring) and substrate and elongated and peripheral\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S43 8	141	((passivation adj layer\$1) same (electrode\$1 (bonding adj pad\$1))) same exposed and (wire wiring) and substrate and elongated	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S43 7	0	((passivation adj layer\$1) same (electrode\$1 (bonding adj pad\$1))) same exposed and (wire wiring) and substrate and elongated	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S43 6	795	((passivation adj layer\$1) same (electrode\$1 (bonding adj pad\$1))) same exposed and (wire wiring)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S43 5	12	S429 and insulat\$4 same (wire\$1 wiring) same (bonding electrode\$1)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S43 4	12	S429 and insulat\$4 same (wire\$1 wiring) and bonding	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S43 3	14	S429 and insulat\$4 same (wire\$1 wiring)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S43 2	36	S429 and insulat\$4	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S43 1	1	09/892506 and passivation	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S43 0	0	09/892506 and pasivation	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08

## EAST Search History

S42 9	94	(US-20020051068-\$ or US-20030094675-\$ or US-20030128406-\$).did. or (US-4330796-\$ or US-4368978-\$ or US-4408231-\$ or US-4495409-\$ or US-4617471-\$ or US-4654536-\$ or US-4663656-\$ or US-4665008-\$ or US-4672433-\$ or US-4679088-\$ or US-4687329-\$ or US-4706130-\$ or US-4736251-\$ or US-4737852-\$ or US-4746989-\$ or US-4772951-\$ or US-4775880-\$ or US-4788522-\$ or US-4819072-\$ or US-4837614-\$ or US-4884128-\$ or US-4887160-\$ or US-4892842-\$ or US-4914504-\$ or US-4926251-\$ or US-4987477-\$).did. or (US-5010409-\$ or US-5087964-\$ or US-5105264-\$ or US-5126859-\$ or US-5148268-\$ or US-5151775-\$ or US-5220184-\$ or US-5220210-\$ or US-5249055-\$ or US-5266828-\$ or US-5276459-\$ or US-5315412-\$ or US-5317146-\$ or US-5336878-\$ or US-5353052-\$ or US-5389775-\$ or US-5469239-\$ or US-5483053-\$ or US-5483282-\$ or US-5491566-\$ or US-5550653-\$ or US-5600152-\$ or US-5604362-\$ or US-5648653-\$ or US-5703386-\$ or US-5737017-\$ or US-5753959-\$).did. or (US-5757520-\$ or US-5768023-\$ or US-5773814-\$ or US-5841554-\$ or US-5844297-\$ or US-5856879-\$ or US-6037609-\$ or US-6037655-\$ or US-6100960-\$ or US-6107637-\$ or US-6144084-\$ or US-6153874-\$ or US-6201293-\$ or US-6249362-\$ or US-6285047-\$ or US-6310395-\$ or US-6337495-\$ or US-6342670-\$ or US-6359706-\$ or US-6388241-\$ or US-6410987-\$ or US-6444905-\$ or US-6507011-\$ or US-6529239-\$ or US-6556300-\$ or US-6559956-\$ or US-6596979-\$).did. or (US-6618173-\$ or US-6650416-\$ or US-6670598-\$ or US-6765276-\$ or US-6768565-\$ or US-6831761-\$).did. or (EP-468255-\$ or EP-520516-\$). did. or (JP-05243541-\$ or JP-2002016759-\$ or JP-61135272-\$).did.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
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## EAST Search History

S42 8	1	09/892506 and central	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S42 7	2	(linear adj image adj sensor) and (bonding adj pad\$4) and passivation	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S42 6	1	(linear adj image adj sensor) and (bonding adj pad\$4) same passivation	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S42 5	9	LIS adj chip	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S42 4	39	((passivation adj layer\$1) same (bonding adj pad\$1)) and substrate and photodiode\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S42 3	1047	((passivation adj layer\$1) same (bonding adj pad\$1)) and substrate	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S42 2	1211	((passivation adj layer\$1) same (bonding adj pad\$1))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S42 1	3	S419 and ((passivation adj layer\$1) and (bonding adj pad\$1))	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S42 0	2603	(passivation adj layer\$1) and (bonding adj pad\$1)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08

## EAST Search History

S41 9	94	(US-20020051068-\$ or US-20030094675-\$ or US-20030128406-\$).did. or (US-4330796-\$ or US-4368978-\$ or US-4408231-\$ or US-4495409-\$ or US-4617471-\$ or US-4654536-\$ or US-4663656-\$ or US-4665008-\$ or US-4672433-\$ or US-4679088-\$ or US-4687329-\$ or US-4706130-\$ or US-4736251-\$ or US-4737852-\$ or US-4746989-\$ or US-4772951-\$ or US-4775880-\$ or US-4788522-\$ or US-4819072-\$ or US-4837614-\$ or US-4884128-\$ or US-4887160-\$ or US-4892842-\$ or US-4914504-\$ or US-4926251-\$ or US-4987477-\$).did. or (US-5010409-\$ or US-5087964-\$ or US-5105264-\$ or US-5126859-\$ or US-5148268-\$ or US-5151775-\$ or US-5220184-\$ or US-5220210-\$ or US-5249055-\$ or US-5266828-\$ or US-5276459-\$ or US-5315412-\$ or US-5317146-\$ or US-5336878-\$ or US-5353052-\$ or US-5389775-\$ or US-5469239-\$ or US-5483053-\$ or US-5483282-\$ or US-5491566-\$ or US-5550653-\$ or US-5600152-\$ or US-5604362-\$ or US-5648653-\$ or US-5703386-\$ or US-5737017-\$ or US-5753959-\$).did. or (US-5757520-\$ or US-5768023-\$ or US-5773814-\$ or US-5841554-\$ or US-5844297-\$ or US-5856879-\$ or US-6037609-\$ or US-6037655-\$ or US-6100960-\$ or US-6107637-\$ or US-6144084-\$ or US-6153874-\$ or US-6201293-\$ or US-6249362-\$ or US-6285047-\$ or US-6310395-\$ or US-6337495-\$ or US-6342670-\$ or US-6359706-\$ or US-6388241-\$ or US-6410987-\$ or US-6444905-\$ or US-6507011-\$ or US-6529239-\$ or US-6556300-\$ or US-6559956-\$ or US-6596979-\$).did. or (US-6618173-\$ or US-6650416-\$ or US-6670598-\$ or US-6765276-\$ or US-6768565-\$ or US-6831761-\$).did. or (EP-468255-\$ or EP-520516-\$). did. or (JP-05243541-\$ or JP-2002016759-\$ or JP-61135272-\$).did.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
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## EAST Search History

S41 8	0	connell.xp.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S41 7	0	connell.xa.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S41 6	125	"348"/224\$3.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S41 5	0	"348"/224.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S41 4	0	"348"/224.ccls. and bonding adj pad\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S41 3	2	S411 and (wide width) same minimiz\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S41 2	63	S411 and (wide width)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08

## EAST Search History

S41 1	86	(US-20020051068-\$ or US-20030094675-\$ or US-20030128406-\$).did. or (US-4330796-\$ or US-4368978-\$ or US-4408231-\$ or US-4495409-\$ or US-4617471-\$ or US-4663656-\$ or US-4665008-\$ or US-4679088-\$ or US-4687329-\$ or US-4706130-\$ or US-4737852-\$ or US-4746989-\$ or US-4772951-\$ or US-4775880-\$ or US-4788522-\$ or US-4819072-\$ or US-4892842-\$ or US-4914504-\$ or US-4987477-\$ or US-5010409-\$ or US-5087964-\$ or US-5105264-\$ or US-5126859-\$ or US-5151775-\$ or US-5220184-\$ or US-5220210-\$).did. or (US-5249055-\$ or US-5266828-\$ or US-5317146-\$ or US-5389775-\$ or US-5469239-\$ or US-5483282-\$ or US-5491566-\$ or US-5600152-\$ or US-5604362-\$ or US-5703386-\$ or US-5753959-\$ or US-5757520-\$ or US-5768023-\$ or US-5841554-\$ or US-5844297-\$ or US-6037609-\$ or US-6037655-\$ or US-6107637-\$ or US-6144084-\$ or US-6201293-\$ or US-6285047-\$ or US-6310395-\$ or US-6337495-\$ or US-6342670-\$ or US-6410987-\$ or US-6444905-\$ or US-6670598-\$).did. or (US-6765276-\$ or US-4884128-\$ or US-4887160-\$ or US-5483053-\$ or US-4736251-\$ or US-4926251-\$ or US-6831761-\$ or US-5315412-\$ or US-6529239-\$ or US-6556300-\$ or US-6650416-\$ or US-6768565-\$ or US-6559956-\$ or US-5648653-\$ or US-5148268-\$ or US-5856879-\$ or US-5550653-\$ or US-6507011-\$ or US-4837614-\$ or US-4654536-\$ or US-4672433-\$ or US-5276459-\$ or US-5336878-\$ or US-5353052-\$ or US-5737017-\$ or US-5773814-\$ or US-6388241-\$).did. or (US-6100960-\$ or US-6153874-\$ or US-6249362-\$ or US-6359706-\$ or US-6596979-\$ or US-6618173-\$).did. or (EP-468255-\$ or EP-520516-\$). did. or (JP-2002016759-\$ or JP-61135272-\$ or JP-05243541-\$).did.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
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## EAST Search History

S410	1	"20030090572"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S409	0	"2003 adj 0090572"	USPAT	OR	OFF	2006/08/02 11:08
S408	0	"20030090572"	USPAT	OR	OFF	2006/08/02 11:08
S407	3	"2003/0090572"	USPAT	OR	OFF	2006/08/02 11:08
S406	0	"20030090572"	USPAT	OR	OFF	2006/08/02 11:08
S405	329	(four same color\$1 same filter\$1) and CCD and linear and sensor	USPAT	OR	OFF	2006/08/02 11:08
S404	479	(four same color\$1 same filter\$1) and CCD and linear	USPAT	OR	OFF	2006/08/02 11:08
S403	1039	(four same color\$1 same filter\$1) and CCD	USPAT	OR	OFF	2006/08/02 11:08
S402	4021	four same color\$1 same filter\$1	USPAT	OR	OFF	2006/08/02 11:08
S401	5	four same linear near2 array same color\$1 same filter\$1	USPAT	OR	OFF	2006/08/02 11:08
S400	0	four near2 linear near2 array same color\$1 same filter\$1	USPAT	OR	OFF	2006/08/02 11:08
S399	16	("5148268").URPN. and filter\$1	USPAT	OR	OFF	2006/08/02 11:08
S398	0	("4896216").PN. and filter\$1	USPAT	OR	OFF	2006/08/02 11:08
S397	1	("4896216").PN.	USPAT	OR	OFF	2006/08/02 11:08
S396	24	("5148268").URPN.	USPAT	OR	OFF	2006/08/02 11:08
S395	1	("5148268").PN. and green	USPAT	OR	OFF	2006/08/02 11:08
S394	1	("6201293").pn.	USPAT	OR	OFF	2006/08/02 11:08
S393	1	("6201313").pn.	USPAT	OR	OFF	2006/08/02 11:08
S392	19	("5148268").URPN. and green	USPAT	OR	OFF	2006/08/02 11:08
S391	24	("5148268").URPN.	USPAT	OR	OFF	2006/08/02 11:08
S390	1	("5148268").pn. and filter\$1	USPAT	OR	OFF	2006/08/02 11:08

## EAST Search History

S38 9	1	("5148268").pn.	USPAT	OR	OFF	2006/08/02 11:08
S38 8	24	("5148268").URPN.	USPAT	OR	OFF	2006/08/02 11:08
S38 7	14	("5648653").URPN.	USPAT	OR	OFF	2006/08/02 11:08
S38 6	1	("6559956").URPN.	USPAT	OR	OFF	2006/08/02 11:08
S38 5	11	S384 and red	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 11:08
S38 4	17	("4769537"   "4774494"   "4778988"   "4956555"   "5153421"   "5223708"   "5406067"   "5637862"   "5648653").PN. OR ("5808297"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 11:08
S38 3	1	"5808297".pn.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S38 2	1	"5510273".pn.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S38 1	8	("5808297").URPN.	USPAT	OR	OFF	2006/08/02 11:08
S38 0	5	"5,808,297".pn. "5,543,838".pn. "5,550,653".pn. "5,604,362".pn. "5,519,514".pn.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S37 9	115	((red near2 green near2 blue) same (color adj filter\$3) same white) and (image imaging) and photodiode\$1 and four	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S37 8	183	((red near2 green near2 blue) same (color adj filter\$3) same white) and (image imaging) and photodiode\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S37 7	17	("3910701"   "4003660"   "4553033"   "4989985"   "5078497"   "5137364"   "5272518"   "5377000"   "5526190"   "5671059"   "5748221"   "5838451"   "5844680"   "5963333"   "6020583"   "6147761"   "6157454").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 11:08
S37 6	2402	((red near2 green near2 blue) same (color adj filter\$3) same white) and (image imaging)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08

## EAST Search History

S37 5	2386	((red near2 green near2 blue) same (color adj filter\$3) same white) and image	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S37 4	5434	(red near2 green near2 blue) same filter\$3 same white	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S37 3	1	"6556300".pn. and "5"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S37 2	0	"6556300".pn. and "fig\$1" adj "5"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S37 1	0	"6556300".pn. and "fig." adj "5"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S37 0	0	"6556300".pn. and fig adj "5"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S36 9	38	S368 not S367	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S36 8	39	(four near2 (image adj sensor)) and (color near2 filter) same (four quad fourth)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S36 7	23	(linear adj image adj sensor) and (color near2 filter) same (four quad fourth)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S36 6	1	"4,764,670".pn.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S36 5	1	09/892,506 and juxtapose\$2	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S36 4	149	(linear adj image adj sensor) and (color adj filter)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S36 3	6	(lead adj electrode\$1) and bonding adj stitch\$3 and stitch	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S36 2	7	(lead adj electrode\$1) and bonding adj stitch\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S36 1	176	(lead adj electrode\$1) and bonding adj pad\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08

## EAST Search History

S360	8175	(lead adj electrode\$1)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S359	9	(linear adj image adj sensor) and (lead adj electrode\$1)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S358	28	S349 and photodiode\$1 same (light adj shield\$3)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S357	53	S349 and photodiode\$1 and light adj shield\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S356	1	S349 and light adj suppressing	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S355	1	S349 and photodiode\$1 and light adj suppressing	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S354	1	S349 and photodiode\$1 same light adj suppressing	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S353	1	"5321528".pn. and output adj amplifier	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S352	0	"5321528".pn. and output adj amplifier and photodiode\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S351	1	"5321528".pn.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S350	13	S349 and photodiode\$1 same (output adj amplifier\$1)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S349	2258	linear adj image adj sensor	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S348	57	(substrate same etch\$3) and (bond\$3 adj pad\$1) same photodiode\$1 and amplifier\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S347	122	(substrate same etch\$3) and (bond\$3 adj pad\$1) same photodiode\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S346	7	(substrate same etch\$3) and (bond\$3 adj pad\$1) same (output adj amplifier)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08

## EAST Search History

S34 5	11982	(substrate same etch\$3) and (bond\$3 adj pad\$1)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S34 4	381	(linear adj image adj sensor) and etch\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S34 3	659	(linear adj image adj sensor) and chip	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S34 2	36	((linear adj image adj sensor) and (charge adj transfer\$4) same photodiode\$1) and amplifier\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S34 1	57	((linear adj image adj sensor) and (charge adj transfer\$4) same photodiode\$1)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S34 0	105	((linear adj image adj sensor) and (charge adj transfer\$4) and photodiode\$1)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S33 9	24	((linear adj image adj sensor) and wir\$3 and bond\$3 and photodiode\$1) not silverbrook	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S33 8	72	((linear adj image adj sensor) and wir\$3 and bond\$3) not silverbrook	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S33 7	210	(linear adj image adj sensor) and wir\$3 and bond\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S33 6	3	LIS adj chip	USPAT	OR	OFF	2006/08/02 11:08
S33 5	2	LIS adj chip and bonding	USPAT	OR	OFF	2006/08/02 11:08
S33 4	10	("4617471").URPN.	USPAT	OR	OFF	2006/08/02 11:08
S33 3	5	("4772951").URPN.	USPAT	OR	OFF	2006/08/02 11:08
S33 2	34	358/482.ccls. and pad\$ and (metal wire\$1)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S33 1	12	257/234.ccls. and pad\$ and (metal wire\$1)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S33 0	9	358/513.ccls. and pad\$ and (metal wire\$1)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08

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S32 9	1	"5389775".pn.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S32 8	69	257/234.ccls. and (metal wire\$1)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S32 7	28	("3769091"   "4467342"   "4976802"   "4990462"   "5057854"   "5063286"   "5166865"   "5192959").PN. OR ("5473513").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 11:08
S32 6	1	"5473513".pn.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S32 5	15	257/234.ccls. and pad\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S32 4	13	("4281254"   "4472744"   "4540901"   "4641185"   "4647977"   "4819072"   "5025318"   "5285295"   "5317423"   "5345319"   "5379067"   "5539536"   "6153874").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 11:08
S32 3	35	257/234.ccls. and ((linear adj image) line) adj sensor	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S32 2	148	358/513.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S32 1	196	257/234.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S32 0	980	358/400.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S31 9	665	358/482.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S31 8	0	258/482.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S31 7	431	257/225.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S31 6	2	"02065278"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08

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S31 5	0	02-065278	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S31 4	1	"58206280"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S31 3	0	58-206280	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S31 2	3	57-090065	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S31 1	26	hitachi and aizo and hajime and semiconductor	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S31 0	218	linear adj image adj sensor and EP not silverbrook	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S30 9	337	linear adj image adj sensor and EP	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S30 8	376	EP and "1990" and seiko and sensor	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S30 7	2290	EP and "1990" and seiko	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S30 6	4	"355 522" and EP	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S30 5	0	"355 522 A2" and EP	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S30 4	0	"0 355 522 A2" and EP	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S30 3	2	"0 355 522" and EP	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S30 2	2	"0 355 522"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S30 1	22	"355" adj "522"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08

## EAST Search History

S30 0	85	("257"/\$6.ccls. and (bonding adj pad\$1 wire\$1)) and facsimile)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S29 9	65	"257"/\$6.ccls. and (bonding) and amplifier and facsimile	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S29 8	7	"257"/\$6.ccls. and (bonding adj pad\$1) and amplifier and facsimile	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S29 7	913	"257"/\$6.ccls. and (bonding adj pad\$1) and amplifier	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S29 6	11046	"257"/\$6.ccls. and (bonding adj pad\$1)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S29 5	0	"258"/\$6.ccls. and (bonding adj pad\$1)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S29 4	134	S293 and bonding adj pad\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S29 3	2258	linear adj image adj sensor	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S29 2	275	(linear adj image adj sensor) and bond\$4	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S29 1	312	(peripheral adj circuit\$1) and amplifier\$1 and (bond\$3 adj pad\$1) and substrate and (glass window)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S29 0	12	(peripheral adj circuit\$1) and amplifier\$1 and (bond\$3 adj pad\$1) and substrate and (glass window) and photodiode\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S28 9	312	(peripheral adj circuit\$1) and amplifier\$1 and (bond\$3 adj pad\$1) and substrate and (glass window)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S28 8	738	(peripheral adj circuit\$1) and amplifier\$1 and (bond\$3 adj pad\$1) and substrate	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S28 7	839	(peripheral adj circuit\$1) and amplifier\$1 and (bond\$3 adj pad\$1)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08

## EAST Search History

S28 6	38	(line adj sensor) and (peripher\$2 near2 circuit\$1) and amplifi\$6 and bond\$3	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S28 5	9	(line adj sensor) and (peripher\$2 near2 circuit\$1) and amplifi\$6 and bond	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S28 4	213	(line adj sensor) and (peripher\$2 near2 circuit\$1) and amplifi\$6	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S28 3	3	(line adj sensor) and peripher\$2 near2 (circuit\$1 and amplifi\$6)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S28 2	483	(line adj sensor) and peripher\$2 near3 circuit\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S28 1	1576	(line adj sensor) and fuji.as.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S28 0	107	(linear adj image adj sensor) and fuji.as.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S27 9	302	((linear adj image adj sensor) and peripheral) not S275	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S27 8	5	((linear adj image adj sensor) and output adj (amplifier\$1 amplification)) not S277	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S27 7	103	((linear adj image adj sensor) and output adj (amplifier\$1 amplification)) not S275	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S27 6	108	(linear adj image adj sensor) and output adj (amplifier\$1 amplification)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S27 5	86	(linear adj image adj sensor) and peripher\$2 near3 circuit\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S27 4	384	(linear adj image adj sensor) and peripheral	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S27 3	77	(linear adj image adj sensor) and bond\$4 and amplifier\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S27 2	267	(linear adj image adj sensor) and bond\$4 not S270	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08

## EAST Search History

S27 1	2258	linear adj image adj sensor	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S27 0	170	257/443\$3.ccls. and bonding\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S26 9	170	(257/443\$3.ccls. and bonding\$1) not "L43" not S267	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S26 8	170	(257/443\$3.ccls. and bonding\$1) not (S267 "L43")	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S26 7	24	("3969751"   "4232219"   "4316204"   "4630355"   "4678273"   "4786607"   "4806496"   "5005029"   "5037780"   "5039620"   "5071787"   "5079190"   "5155777").PN. OR ("5266828"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 11:08
S26 6	24	("3969751"   "4232219"   "4316204"   "4630355"   "4678273"   "4786607"   "4806496"   "5005029"   "5037780"   "5039620"   "5071787"   "5079190"   "5155777").PN. OR ("5266828"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/02 11:08
S26 5	180	257/443\$3.ccls. and linear	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S26 4	48	257/443\$3.ccls. and linear and pad\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S26 3	136	257/443\$3.ccls. and pad\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S26 2	37	257/443\$3.ccls. and bonding adj pad\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S26 1	168	257/443\$3.ccls. and bonding	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S26 0	942	257/443\$3.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08

## EAST Search History

S25 9	4	"5220210"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S25 8	99	S257 not (S254 "s24")	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S25 7	134	S256 and bonding adj pad\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S25 6	2258	linear adj image adj sensor	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S25 5	35	S254 not "s24"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S25 4	35	"348"/\$6.ccls. and (linear adj image adj sensor) and (bonding adj pad\$1)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S25 3	7	"257"/\$6.ccls. and (linear adj image adj sensor) and (bonding adj pad\$1)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S25 2	35	"348"/\$6.ccls. and (linear adj image adj sensor) and (bonding adj pad\$1)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S25 1	1042	(image imaging) and bonding adj pad\$1 and ("257" "348")	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S25 0	4415	(image imaging) and bonding adj pad\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S24 9	0	("348" "257")/\$6.ccls. and S248	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S24 8	134	S247 and bonding adj pad\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S24 7	2258	linear adj image adj sensor	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S24 6	0	("348" "257")/\$6.ccls. and "L4"	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S24 5	35	"348"/\$6.ccls. and S243	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08

## EAST Search History

S24 4	195	"348"/\$6.ccls. and bonding adj pad\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S24 3	134	S241 and bonding adj pad\$1	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S24 2	199	S241 and bonding	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S24 1	2258	linear adj image adj sensor	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S24 0	107	linear adj image adj sensor and fuji.as.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S23 9	2258	linear adj image adj sensor	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S23 8	187	((Murayama adj Jin).in. (Hagiwara adj Tatsuya).in. (Yamada adj Tetsuo).in.) and fuji.as.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S23 7	902	((Murayama adj Jin).in. (Hagiwara adj Tatsuya).in. (Yamada adj Tetsuo).in.)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S23 6	2195	((Murayama and Jin).in. (Hagiwara and Tatsuya).in. (Yamada and Tetsuo).in.)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S23 5	19	((Murayama near1 Jin) (Hagiwara near1 Tatsuya) (Yamada near1 Tetsuo)) and Kurokawa-gun	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S23 4	17	((Murayama near1 Jin) (Hagiwara near1 Tatsuya) (Yamada near1 Tetsuo)) and Kurokawa-gun and fuji.as.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S23 3	191	((Murayama near1 Jin) (Hagiwara near1 Tatsuya) (Yamada near1 Tetsuo)) and fuji.as.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S23 2	911	(Murayama near1 Jin) (Hagiwara near1 Tatsuya) (Yamada near1 Tetsuo)	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08
S23 1	1	09/892,506	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/08/02 11:08